

File created: 23-Mar-94 17:45:59 {DSK}<king>export>lispcore>internal>library>CALENDARHACKS.;3

changes to: (FNS PRINTMONTHIMAGE PRINT-NOTEBOOK-YEAR PRINT-SUMMARY-YEAR PRINT-SCALED-MONTH)

previous date: 15-Jun-90 11:46:01 {DSK}<king>export>lispcore>internal>library>CALENDARHACKS.;1

Read Table: XCL

Package: INTERLISP

Format: XCCS

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(RPAQQ CALENDARHACKSCOMS

;; Hacks for making reminder-book pages for calendars.

(FILES CALENDAR)

(COMS ;; User level functions

(FNS PRINT-LAND-MONTH PRINT-LAND-YEAR PRINT-NOTEBOOK-MONTH PRINT-NOTEBOOK-YEAR PRINT-SUMMARY-YEAR
PRINT-NARROW-MONTH))

(COMS ;; Internal functions and macros

(FNS PRINT-SCALED-MONTH PRINTMONTHIMAGE)
(FUNCTIONS CAL-X CAL-Y)))

;; Hacks for making reminder-book pages for calendars.

(FILESLOAD CALENDAR)

;; User level functions

(DEFINEQ

(PRINT-LAND-MONTH

(LAMBDA (MONTH YEAR STREAM)

; Edited 17-Oct-87 17:45 by jds

;; Print a single month's calendar landscape on letter paper.

(LET ((PRINTSTREAM (OR STREAM (OPENIMAGESTREAM "{LPT}" 'INTERPRESS '(LANDSCAPE T))))))
(PRINT-SCALED-MONTH MONTH YEAR 635 635 1.0 1.0 PRINTSTREAM 12 18 6)
(CLOSEF PRINTSTREAM)))

(PRINT-LAND-YEAR

(LAMBDA (YEAR STREAM)

; Edited 17-Oct-87 17:49 by jds

;; Print a single month's calendar landscape on letter paper.

(LET ((PRINTSTREAM (OR STREAM (OPENIMAGESTREAM "{LPT}" 'INTERPRESS '(LANDSCAPE T))))))
(|for| MONTH |from| 1 |to| 12 |do| (PRINT-SCALED-MONTH MONTH YEAR 635 635 1.0 1.0 PRINTSTREAM 12 18 6)
(DSPNEWPAGE PRINTSTREAM))
(CLOSEF PRINTSTREAM)))

(PRINT-NOTEBOOK-MONTH

(LAMBDA (MONTH YEAR STREAM)

; Edited 17-Sep-87 21:55 by jds

;; Print a single month's calendar on a half-sheet, suitable for punching and putting in a Time-Design notebook or a 5 1/2 x 8 1/2" reminder book.

;; If you leave STREAM NIL, you'll get one page on the printer.

(PRINT-SCALED-MONTH MONTH YEAR 0 0 0.75 0.6 STREAM)))

(PRINT-NOTEBOOK-YEAR

(LAMBDA (YEAR STREAM)

; Edited 23-Mar-94 17:22 by turpiN:mv:envos

;; Print a year's worth of month-calendar pages in half-sheet size.

(LET ((PRINTSTREAM (OR STREAM (OPENIMAGESTREAM "{LPT}" 'POSTSCRIPT))))
(|for| MONTH |from| 1 |to| 12 |do| (PRINT-SCALED-MONTH MONTH YEAR 0 (COND
(EVENP MONTH 2)
13970)
(T 0))
0.75 0.6 PRINTSTREAM)
(COND
(EVENP MONTH 2)
(DSPNEWPAGE PRINTSTREAM))))
(CLOSEF PRINTSTREAM)))

(PRINT-SUMMARY-YEAR

(LAMBDA (YEAR STREAM)

; Edited 23-Mar-94 17:36 by turpiN:mv:envos

;; Print a year's worth of small months on 1 sheet of paper that will fit into a 8.25 x 10.5 format (for Time-Design books).

(LET ((PRINTSTREAM (OR STREAM (OPENIMAGESTREAM "{LPT}" 'POSTSCRIPT '(LANDSCAPE T))))))
(|for| MONTH |from| 1 |to| 4 |as| YOFFSET |from| 44500 |by| -14800
|do| (PRINT-SCALED-MONTH MONTH YEAR 227 YOFFSET 0.33 0.23 PRINTSTREAM 6 8 6))
(|for| MONTH |from| 5 |to| 8 |as| YOFFSET |from| 44500 |by| -14800

```

|do| (PRINT-SCALED-MONTH MONTH YEAR 25427 YOFFSET 0.33 0.23 PRINTSTREAM 6 8 6))
(|for| MONTH |from| 9 |to| 12 |as| YOFFSET |from| 44500 |by| -14800
|do| (PRINT-SCALED-MONTH MONTH YEAR 50627 YOFFSET 0.33 0.23 PRINTSTREAM 6 8 6))
(CLOSEF PRINTSTREAM)))

```

(PRINT-NARROW-MONTH

```

(LAMBDA (MONTH YEAR STREAM) ; Edited 17-Sep-87 22:32 by jds
(PRINT-SCALED-MONTH MONTH YEAR 0 0 0.45 0.95 STREAM NIL NIL NIL '(LANDSCAPE T)))
)

```

:: Internal functions and macros

(DEFINEQ

(PRINT-SCALED-MONTH

```

(LAMBDA (MONTH YEAR X-OFFSET Y-OFFSET X-SCALE Y-SCALE STREAM DAYSIZE DATESIZE TINYSIZE OPTIONS)
; Edited 23-Mar-94 17:24 by turpiN:mv:envos

```

:: Print a month's calendar on STREAM. MONTH is a number 1-12, Year is the year, 19-- and all.

```

(PROG ((STREAM-EXISTED STREAM)
PBFONT PCALFONT PLITTLEFONT)
(SETCURSOR WAITINGCURSOR)
(PRINTOUT PROMPTWINDOW T "Formatting for print...")
(SETQ STREAM (OR STREAM (OPENIMAGESTREAM "{LPT}" 'POSTSCRIPT OPTIONS)))
(SETQ PBFONT (FONTCREATE 'MODERN (OR DAYSIZE 8)
NIL 0 STREAM))
(SETQ PCALFONT (FONTCREATE 'CLASSIC (OR DATESIZE 12)
NIL 0 STREAM))
(SETQ PLITTLEFONT (FONTCREATE 'MODERN (OR TINYSIZE 6)
NIL 0 STREAM))
(PRINTMONTHIMAGE MONTH YEAR STREAM X-OFFSET Y-OFFSET X-SCALE (OR Y-SCALE X-SCALE)
PBFONT PCALFONT PLITTLEFONT) ; Print horizontal lines
(OR STREAM-EXISTED (CLOSEF STREAM))
(PRINTOUT PROMPTWINDOW "done." T)
(CURSOR T)))

```

(PRINTMONTHIMAGE

```

(LAMBDA (MONTH YEAR STREAM XOFFSET YOFFSET X-SCALE Y-SCALE DAYFONT DATEFONT TINYDATEFONT)
; Edited 23-Mar-94 17:42 by turpiN:mv:envos

```

:: Print a month's calendar on STREAM. MONTH is a number 1-12, Year is the year, 19-- and all.
:: X-SCALE & XOFFSET, and Y-SCALE & YOFFSET are used in the CAL-X and CAL-Y macros, resp.
:: DAYFONT and DATEFONT are used for printing the day names and dates/month title resp.

```

(DSPRESET STREAM)
(DSPRIGHTMARGIN 65535 STREAM)
(LET ((TITLESTRING (CONCAT (MONTHNAME MONTH)
" " " YEAR)))
(MOVETO (- (CAL-X 37559)
(IQUOTIENT (STRINGWIDTH TITLESTRING DATEFONT)
2))
(CAL-Y 57827)
STREAM))
(DSPFONT DATEFONT STREAM)
(PRINTOUT STREAM (MONTHNAME MONTH)
" " " YEAR)
(LET ((DAYLABELS (APPEND (|for| N |from| 1 |to| (DAYOF MONTH 1 YEAR) |collect| '\ )
(|for| N |from| 1 |to| (DAYSIN MONTH YEAR) |collect| N)))
(X 1559)
(Y 47339)
(CT 0))
(|for| I |in| DAYLABELS |do|

```

:: Print blanks up to the first day of the month (to allow for not starting on Sunday), then print the dates.

```

(MOVETO (CAL-X X)
(CAL-Y Y)
STREAM)
(PRIN1 I STREAM)
(|add| X 10630)
(|add| CT 1)
(COND
((EQ (IREMAINDER CT 7)
0)
(SETQ X 1701)
(|add| Y -8974))))))
(|for| X |from| 850 |to| 75968 |by| 10630 |do|
(DRAWLINE (CAL-X X)
(CAL-Y 1701)
(CAL-X X)
(CAL-Y 55559)
40
'PAINT STREAM))

```

:: Print horizontal lines

(DRAWLINE (CAL-X 850)
(CAL-Y Y)
(CAL-X 75260)
(CAL-Y Y)
40
'PAINT STREAM))

(DSPFONT DAYFONT STREAM)

(|for| X |from| 2268 |to| 72567 |by| 10630 |as| D |from| 0 |to| 6 |do| ;; Print day names

(MOVETO (CAL-X X)
(CAL-Y 56126)
STREAM)
(PRIN1 (DAYNAME D)
STREAM))

(COND

((>= X-SCALE 0.7)

(DSPFONT PLITTLEFONT STREAM)

(SHOWMONTHSMALL (MONTHPLUS MONTH -1)

(MONTHYEARPLUS MONTH YEAR -1)

(CAL-X 54709)

(CAL-Y 2693)

(FTIMES X-SCALE 28.0)

STREAM)

(SHOWMONTHSMALL (MONTHPLUS MONTH 1)

(MONTHYEARPLUS MONTH YEAR 1)

(CAL-X 65480)

(CAL-Y 2693)

(FTIMES X-SCALE 28.0)

STREAM))

STREAM))

)

(DEFMACRO CAL-X (VALUE)

`(+ XOFFSET (FIXR (FTIMES ,VALUE X-SCALE))))

(DEFMACRO CAL-Y (VALUE)

`(+ YOFFSET (FIXR (FTIMES ,VALUE Y-SCALE))))

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FUNCTION INDEX

PRINT-LAND-MONTH1 PRINT-NARROW-MONTH2 PRINT-NOTEBOOK-YEAR1 PRINT-SUMMARY-YEAR1
PRINT-LAND-YEAR1 PRINT-NOTEBOOK-MONTH1 PRINT-SCALED-MONTH2 PRINTMONTHIMAGE2

MACRO INDEX

CAL-X3 CAL-Y3
